

What is claimed is:

1. A DC stabilized power supply for use in converting an inputted DC power supply voltage into a predetermined DC voltage, comprising:

a converter circuit;

5 a first differentiating circuit for differentiating variations in an output voltage of said converter circuit; and

a current absorbing circuit driven by an output voltage of said first differentiating circuit.

2. A DC stabilized power supply as claimed in claims 1, wherein said converter circuit outputs a control signal to said first differentiating circuit or said second differentiating circuit to stop an operation of said first

5 differentiating circuit or said second differentiating circuit, when said DC stabilized power supply is starting or stopping.

3. A DC stabilized power supply as claimed in claim 1, wherein said converter circuit outputs a control signal to said current absorbing circuit to stop an operation of said current absorbing circuit, when said DC stabilized power

5 supply is starting or stopping.

4. A DC stabilized power supply for use in converting an inputted DC power supply voltage into a predetermined DC

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voltage, comprising:

- a converter circuit;
- 5 a second differentiating circuit for differentiating variations in an output voltage of said converter circuit; and
- a current injecting circuit driven by an output voltage of said second differentiating circuit.

5. A DC stabilized power supply as claimed in claims 4, wherein said converter circuit outputs a control signal to said first differentiating circuit or said second differentiating circuit to stop an operation of said first  
5 differentiating circuit or said second differentiating circuit, when said DC stabilized power supply is starting or stopping.

6. A DC stabilized power supply as claimed in claim 4, wherein said converter circuit outputs a control signal to said current injecting circuit to stop an operation of said current injecting circuit, when said DC stabilized power  
5 supply is starting or stopping.

7. A DC stabilized power supply for use in converting an inputted DC power supply voltage into a predetermined DC voltage, comprising:

- a converter circuit;
- 5 a first differentiating circuit for differentiating variations in an output voltage of said converter circuit;
- a current absorbing circuit driven by an output voltage

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of said first differentiating circuit;

10 a second differentiating circuit for differentiating variations in the output voltage of said converter circuit; and

a current injecting circuit driven by an output voltage of said second differentiating circuit.

8. A DC stabilized power supply as claimed in claims 7, wherein said converter circuit outputs a control signal to said first differentiating circuit or said second differentiating circuit to stop an operation of said first  
5 differentiating circuit or said second differentiating circuit, when said DC stabilized power supply is starting or stopping.

9. A DC stabilized power supply as claimed in claim 7, wherein said converter circuit outputs a control signal to said current absorbing circuit to stop an operation of said current absorbing circuit, when said DC stabilized power  
5 supply is starting or stopping.

10. A DC stabilized power supply as claimed in claim 7, wherein said converter circuit outputs a control signal to said current injecting circuit to stop an operation of said current injecting circuit, when said DC stabilized power  
5 supply is starting or stopping.

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